

ABSTRACT

A process of roll forming a tubular metallic body for a fluid connector comprised of first affixing a tubular metallic body of substantially constant diameter in a roll forming machine, then positioning a series of freely rotatable independent tools in a circumferential pattern surrounding the tubular body. The tools are then rotated within a predetermined velocity range and minimal radial contact is applied between the series of tools and the tubular body. This contact forms at least one radial groove in the tubular body, smoothes the outer surface of the tubular body and decreases the outside diameter of a portion of the tubular body for a predetermined distance along its periphery at a constant, uniform rate. Also the proximate end of the decreasing diameter portion is rounded. Further, the metallic tubular body is fabricated from a 5000 series aluminum alloy.